



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,232	01/26/2004	Dror Korcharz	PDS-016	6494

39933 7590 09/06/2006

POWERDSINE LTD.
C/O LANDONIP, INC
1700 DIAGONAL ROAD, SUITE 450
ALEXANDRIA, VA 22314-2866

EXAMINER

KAPLAN, HAL IRA

ART UNIT	PAPER NUMBER
----------	--------------

2836

DATE MAILED: 09/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/763,232	Applicant(s) KORCHARZ ET AL.	
	Examiner Hal I. Kaplan	Art Unit 2836	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ² MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-49 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-49 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 January 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>6/7/04, 10/24/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Applicant's claim for priority from PCT Patent Application No. PCT/IL03/00832 filed October 14, 2003, is acknowledged. However, the copy of the international application and English language translation (if the international application was not filed in English) required under 35 U.S.C. 371(c)(2) have not been received.

Specification

2. The disclosure is objected to because of the following informalities: Page 16, line 23 contains the phrase "module 230". It appears this should be "module 200". Page 49, line 23 contains the phrase "powers supply". It appears this should be "power supply".

Appropriate correction is required.

Drawings

3. The drawings are objected to because of the following informalities: In Figure 2e, the local power controllers (580) should be connected to the loads (460) (see page 25, line 8). In Figure 4b, an unlabeled capacitor is shown at the output of the illustrated device.

4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the first and second power supplies, a boost converter, and first and second variable current limiters, as claimed in Claim 43, must all be shown in the same Figure or the feature(s) canceled from the claim(s). None of the Figures shows the first power supply and two variable

Art Unit: 2836

current limiters. The first power supply is only shown in Figure 3, which has only one variable current limiter. No new matter should be entered.

5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 840 in Figure 4b and 2270 in Figure 5c. In addition, the difference between steps 2270 and 2280 is not clear, as the output power is reduced in both steps. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Information Disclosure Statement

6. The information disclosure statement filed October 24, 2004 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the

Art Unit: 2836

application file, but the information referred to therein regarding the PCT international search report and written opinion has not been considered.

Claim Objections

7. Claims 1, 3, 11, 13, 15, 18, 20, 24, 28, 32, 34, and 35 objected to because of the following informalities: Claim 1 lines 13 and 14-15; claim 3 lines 24 and 26; claim 11 line 4; claim 18 lines 10-11 and 12-13; claim 20 lines 23 and 25; claim 24 lines 12-13; claim 28 lines 1-2; claim 32 lines 15-16; claim 34 lines 26, 26-27, and 4-5; and claim 35 lines 9 and 11, the phrase "said variable current limited power supply" lacks proper antecedent basis. It appears this should be "said variable current limited power source". Claim 13, line 3 contains the word "devices". It appears this should be "device". Claim 15, line 19 contains the phrase "enable power said power needs". It appears this should be "enable said power needs". Appropriate correction is required.

Allowable Subject Matter

8. Claims 1-49 allowed.

9. The following is an examiner's statement of reasons for allowance:

Claims 1-33 are allowed because none of the prior art of record discloses or suggests a variable current limited power source responsive to an output of a controller to vary the current limit, in combination with the remaining claimed features.

Claims 34-40 are allowed because none of the prior art of record discloses or suggests varying the current limit of a variable current limited power supply in response to a monitored power output of the power supply or monitored power needs of the load, in combination with the remaining claimed features.

Art Unit: 2836

Claims 41-42 are allowed because none of the prior art of record discloses or suggests supplying a variable current limited power to a load, the power needs of the load being in excess of the variable current limit, whereby the variable current limited power is fed to the load and the excess need is fed by a first power, in combination with the remaining claimed features.

Claims 43-49 are allowed because none of the prior art of record discloses or suggests a boost converter with a first variable current limiter, and a first power supply with a second variable current limiter, connected in a wired or configuration to cooperatively supply power with a second power supply to a load, in combination with the remaining claimed features.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US patents to Brown et al. (5,481,730) and Lacey (6,184,667) disclose similar systems.

11. This application is in condition for allowance except for the formal matters set forth above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.


A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hal I. Kaplan whose telephone number is 571-272-8587. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on 571-272-2800 x36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

hik



BRIAN SIRCUS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800